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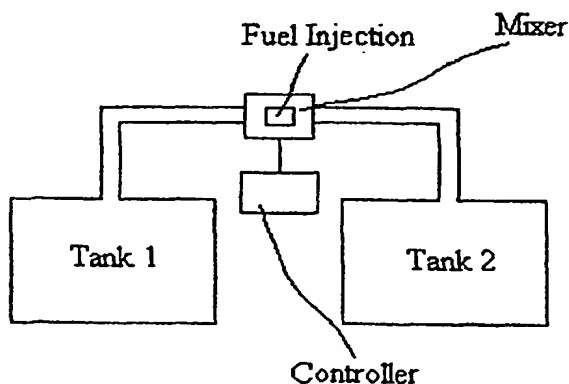
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(54) Title: **VARIABLE OCTANE DUEL FUEL DELIVERY SYSTEM**



(57) Abstract: Variable octane gasoline fuel system which includes two different octane gasoline fuels, each stored in its own separate vehicle-mounted tank or compartment. These separately-stored high and low octane fuels are mixed, for example, in the vehicle's fuel injection system in proportion as necessary to meet the anti-knock requirement according to instantaneous engine load. The percentage of each octane can be controlled by the pressure in the intake manifold and other factors.

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